Reese Cox

Software Development | Native Applications | Automation

Project-driven software builder focused on useful applications, clear interfaces, and reliable workflows. Uses AI-assisted development and hands-on iteration to connect product ideas with data integrity, platform constraints, and practical software behavior.

Technical Skills

Python; JavaScript and TypeScript; React; Node.js; Swift, SwiftUI and AppKit; SQL and data modeling; Tauri/Rust integration; API integration; PDF generation; local AI integration; Git; regression testing and XCTest; HTML, CSS and Three.js.

Selected Projects

Nodetaker | Spatial Knowledge Workspace

JavaScript, Tauri, Rust, Markdown

- Built a spatial workspace for connected notes, tasks, and mixed media using a portable Markdown vault.
- Implemented incremental saving, atomic file replacement, migration backups, recoverable deletion, external-change review, and asset-path validation.

ChordShot and Arcade | Native Desktop Software

Swift, AppKit, ScreenCaptureKit, Python, JavaScript

- Developed ChordShot, a capture utility with gesture recognition, selection overlays, cancellation, recording lifecycle handling, and file-finalization checks.
- Built Arcade, animated desktop cabinets connected to agent activity through a local event bridge, with session identity, explicit turn states, and duplicate-event handling.

Moss and Toll | Native App and Product Exploration

SwiftUI, local AI, CoreNFC, AlarmKit, product design

- Developed Moss, a conversational iOS journal with staged updates and structured data validation; local release records document an internal beta.
- Created Toll packaging and a product landing page alongside an NFC alarm prototype exploring physical interaction and platform scheduling constraints.

Web Design and Confidential Business Systems

HTML, CSS, JavaScript, Python, data and workflow design

- Built the S.I. business website concept with responsive pages, a shared visual system, theme switching, and inquiry-form validation.
- Project work includes dashboards, time clocks, catalog, inventory, PO and RFQ tooling. General foundations: structured data, validation, access control, search, and document generation. Client details and implementations are confidential.